

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/07092

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B66B11/08, H02K7/10, 7/102, 21/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B66B11/00-11/08, F16D49/00-71/04, H02K7/10, 7/102, 21/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	DE 19906727 C1 (SYSTEM ANTRIEBSTECHNIK DRESDEN GMBH.), 08 June, 2000 (08.06.00), (Family: none)	1, 11 2-3, 5-7 4, 8-9
Y	DE 19832208 C1 (SYSTEM ANTRIEBSTECHNIK DRESDEN GMBH.), 04 November, 1999 (04.11.99), (Family: none)	2
Y	US 4739969 A (JONES PERRY INDUSTRIES PTY. LTD.), 26 April, 1988 (26.04.88), & AU 6461186 A & AU 2418588 A & AU 8780391 A	3

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
25 February, 2004 (25.02.04)Date of mailing of the international search report
09 March, 2004 (09.03.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 2000-153973 A (Nippon Erebeta Seizo Kabushiki Kaisha), 06 June, 2000 (06.06.00), (Family: none)	1, 10 2, 4-7 3, 8-9
Y	JP 2-62394 A (Mitsubishi Electric Corp.), 02 March, 1990 (02.03.90), & CN 1040557 A & US 5018603 A & KR 9300675 Y1	2
Y	JP 11-79686 A (Meidensha Corp.), 23 March, 1999 (23.03.99), (Family: none)	4
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 46316/1977 (Laid-open No. 140888/1978) (Miki Pulley Co., Ltd.), 07 November, 1978 (07.11.78), (Family: none)	4
X Y A	JP 2003-104666 A (Meidensha Corp.), 09 April, 2003 (09.04.03), & EP 1298084 A2 & CN 1410338 A & US 2003/0070881 A1	1, 10 5-7, 13 2-4, 8-9
Y	JP 2001-278571 A (Mitsubishi Electric Corp.), 10 October, 2001 (10.10.01), (Family: none)	5-6
Y	DE 19958545 C1 (SYSTEM ANTRIEBSTECHNIK DRESDEN GMBH.), 05 April, 2001 (05.04.01), (Family: none)	7
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 88053/1988 (Laid-open No. 10765/1990) (Toshiba Corp.), 23 January, 1990 (23.01.90), (Family: none)	7
X Y	JP 11-32462 A (Hitachi, Ltd.), 02 February, 1999 (02.02.99), (Family: none)	12 13
X Y	JP 2001-151443 A (Toshiba Digital Media Engineering Kabushiki Kaisha, Toshiba Corp.), 05 June, 2001 (05.06.01), (Family: none)	12 13
X	JP 5-56618 A (Fuji Electric Co., Ltd.), 05 March, 1993 (05.03.93), (Family: none)	12

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-289954 A (Mitsubishi Electric Corp.), 17 October, 2000 (17.10.00), & CN 1269323 A & EP 1043261 A2	1-13
A	JP 2001-72358 A (Teijin Seiki Co., Ltd.), 21 March, 2001 (21.03.01), & CN 1279209 A & EP 1074506 A2 & JP 2001-192192 A & EP 1146005 A2 & US 6520483 B1 & US 2003/0080328 A1	1-13

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:

because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

I. Claims 1-11 and 13 relate to a hoist for an elevator.

II. Claim 12 relates to a motor.

These two groups of inventions are not considered to be a group of inventions so linked as to form a single general inventive concept.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.